

New York State Department of Transportation

Yellow Flag NB2228W025

By: Ben Colangelo
Flag Date: April 08, 2022

Superseding Information:
This flag supersedes: YF NB2197W020

Structure Information

BIN: 1065318
Feature Carried: 278I278IX2M23027
Feature Crossed: 6TH AVENUE
Orientation: 8 - NORTHWEST
Region: 11 - NEW YORK CITY
County: KINGS
Political Unit: City of NEW YORK
Approximate Year Built: 1962
Posted Load Matches Inventory : Yes
Bridge Load Posting (Tons) : Not Posted for Load
Primary Owner: New York State Department of Transportation
Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party
Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder
This Bridge is not a Ramp
Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.
Date: April 08, 2022 1:00:00 PM
Of: NYSDOT Region 11

Signature Information

Signature: Ben Colangelo, P.E. 068498
Date: May 25, 2022
Reviewed By: Robert Kemp
Date: May 25, 2022

Attachments: 5

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 301			
	113 - Steel Stringer	1614	ft
	152 - Steel Floor Beam	593	ft

Flagged Condition Description

This Yellow Flag No.NB2228W025 supersedes Yellow Flag No. NB2197W020.

Location: Span 301, Stringer S16 at begin side of Floorbeam FB2

Description: Stringer S16 at the connection to Floorbeam FB2 exhibits a 1.875" long crack (1.5" long vertically and 0.375" long horizontally) in the lower web at the connection angle. This crack is within a 14" long x 1.5" high area of the web that has up to 70% section loss. The full height web section loss along the connection angle is 26% (previously 24%).

Stringer S16 has been sandblasted clean for a length of approximately 5' at the stringer end.

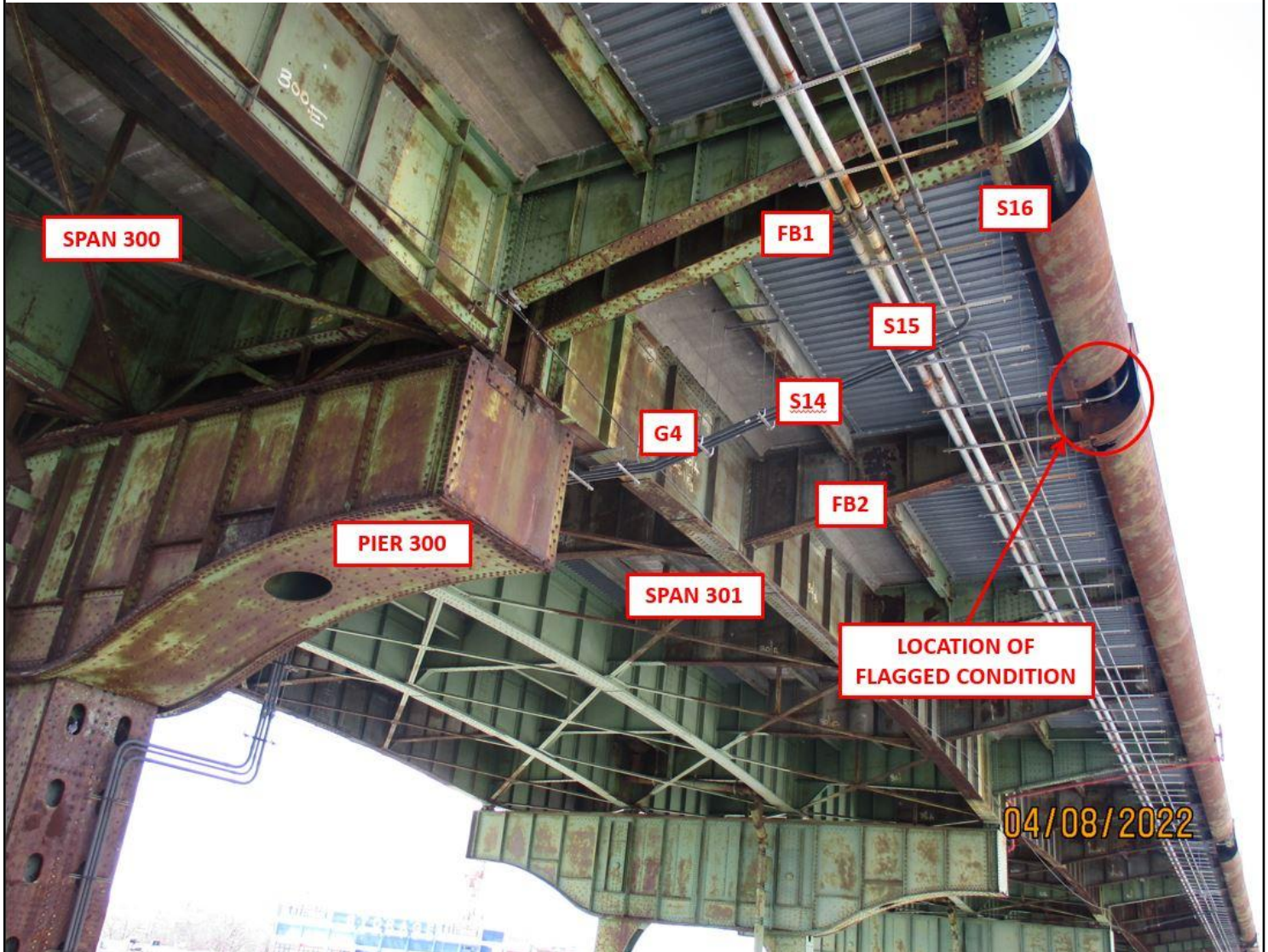
Notes:

- 1.The adjacent Stringer S15, 6'-3" to the left, is in good condition.
- 2.The adjacent Stringer S17, 25" to the right, bottom flange exhibits 4" W x 4' L area of up to 100% section loss. Web of Stringer S17 is in good condition.
- 3.Access to Stringer S16 is difficult due to utility conduits below.
- 4.This area is accessed by a 135' manlift with double right lane closure of Hamilton Ave. (Northbound - toward Battery Tunnel)

Flag Photographs

Photo Number: 1

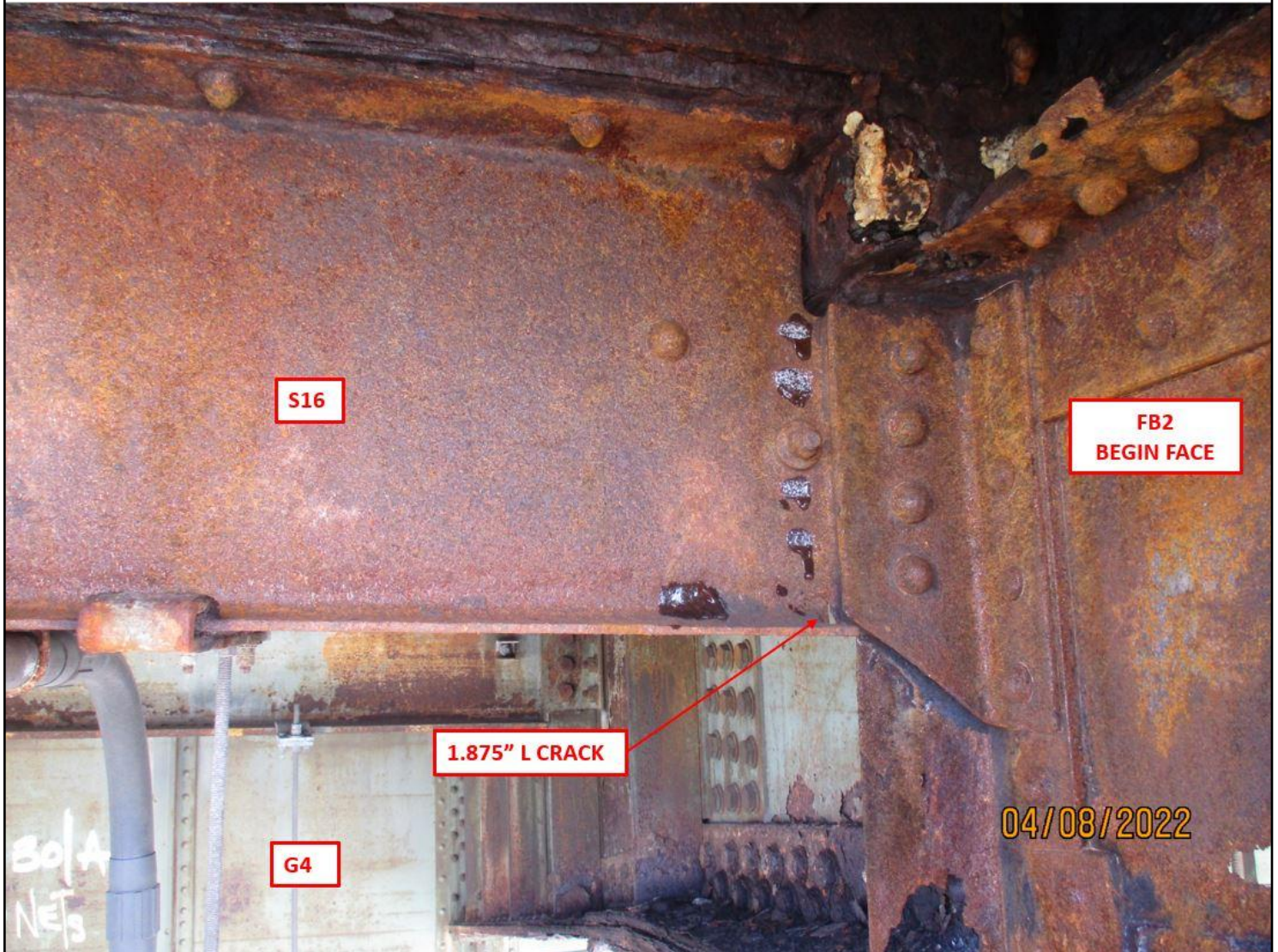
Photo Filename: 315-3770.JPG



Attachment Description: Span 301, General view of flagged location. Looking End Left.

Photo Number: 2

Photo Filename: 315-3764.JPG



Attachment Description: Span 301, Stringer S16 right face at begin side of Floorbeam FB2. Looking Left. Note: Stringer S16 has been blasted clean for a length of approximately 5' at the end.

Photo Number: 3

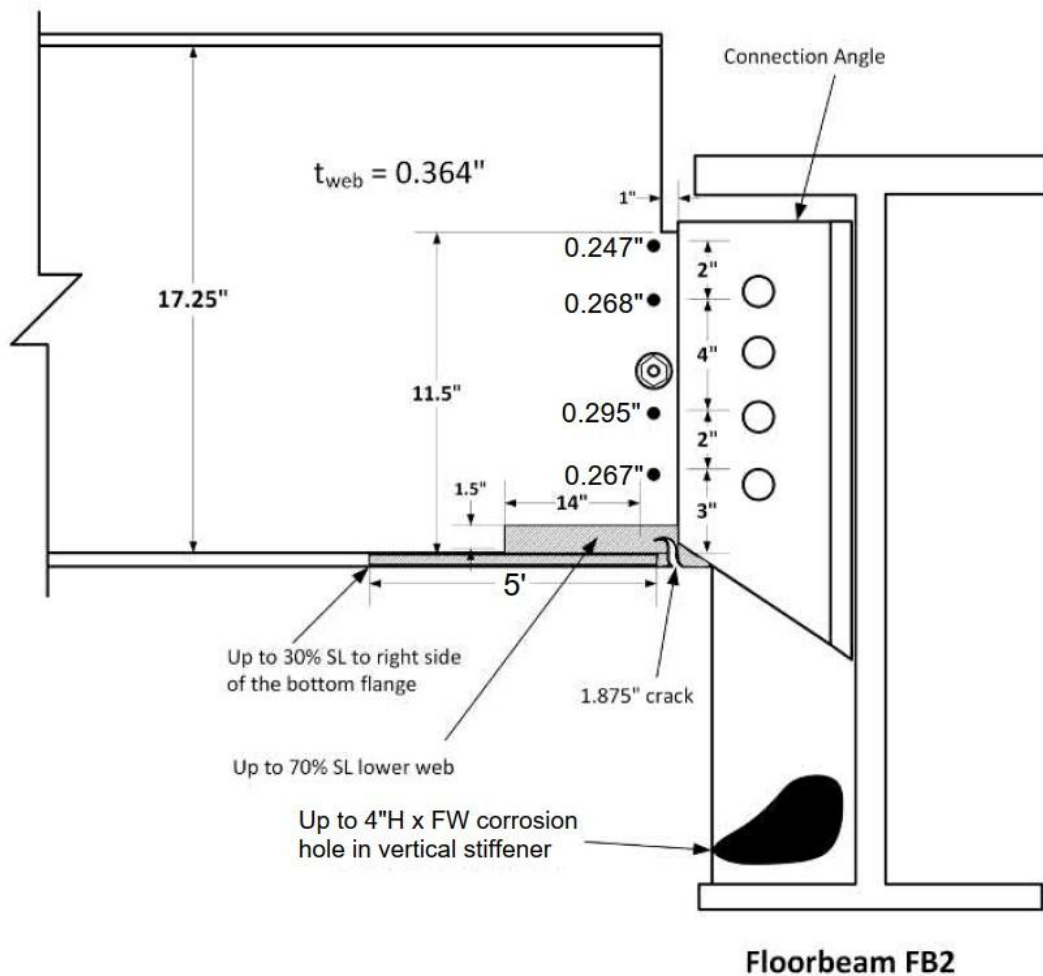
Photo Filename: 315-3760.JPG



Attachment Description: Span 301, Stringer S16 right face at begin side of Floorbeam FB2. Close-up view. Looking Left.

Photo Number: 4

Photo Filename: YELLOW FLAG SKETCH.jpg

**Legend:**

- D-Meter Readings

Average remaining web section - $(0.267" + 0.295" + 0.268" + 0.247") / 4 = 0.269"$
 Web section loss - $(1 - (0.269 / 0.364)) \times 100\% = 26.1$ **Say 26%**

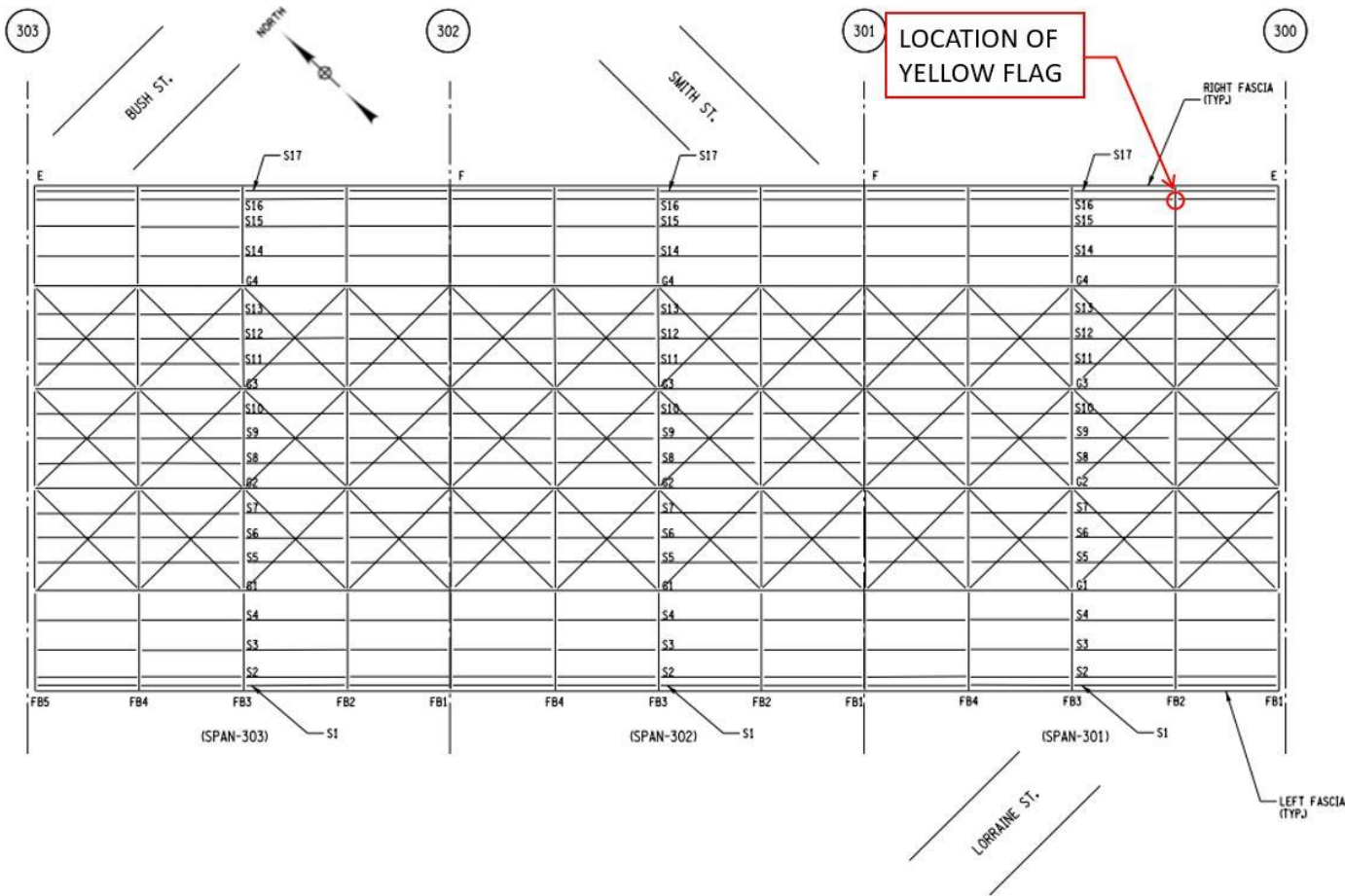
Span 301, Stringer S16 at Floorbeam FB2 begin side
(Looking left)

N.T.S.

Attachment Description: Sketch of Stringer S16 at Floorbeam FB2

Photo Number: 5

Photo Filename: FRAMING PLAN.JPG



Attachment Description: BIN 1065318, Framing Plan, Span 301